L	Hits	Seal Text	DB	Time stamp
Number	712	input adj device and cube	USPAT;	2003/01/10
_	'12	Imput adj device and cube	EPO; JPO	13:17
_	370	input adj device and cube and mouse	USPAT;	2003/01/10
			EPO; JPO	13:18
-	0	input adj device and cube and mouse and	USPAT;	2003/01/10
		orthognal adj switches	EPO; JPO	13:18
-	0	input adj device and cube and mouse and	USPAT; EPO; JPO	2003/01/10 13:20
	29	orthogonal adj switches input adj device and cube and mouse and	USPAT;	2003/01/10
-	29	orthogonal and switches	EPO; JPO	13:52
_	4	computer adj input adj device and cube	USPAT;	2003/01/10
		and mouse and orthogonal and switches	EPO; JPO	13:28
-	0		USPAT;	2003/01/10
	_	adj mouse and orthogonal and switches	EPO; JPO	13:55
-	9	computer adj mouse and cube and orthogonal and switches	USPAT; EPO; JPO	2003/01/10 13:31
_	52	computer adj mouse and shape and cube	USPAT;	2003/01/10
	52	compacer day mouse and shape and case	EPO; JPO	13:49
-	5	computer adj mouse and shape adj cube	USPAT;	2003/01/10
			EPO; JPO	13:52
-	0	computer adj input adj device adj cube	USPAT;	2003/01/10
	0	and orthogonal and switches computer adj input adj device adj cube	EPO; JPO USPAT;	13:56 2003/01/10
_	"	and switches	EPO; JPO	13:56
_	1	5,734,370.pn.	USPAT;	2003/01/12
	_	, , , , , , , , , , , , , , , , , , ,	EPO; JPO	14:21
-	1	5,729,249.pn.	USPAT;	2003/01/12
		4 4	EPO; JPO	14:20
-	2406	345/156,173.ccls.	USPAT; EPO; JPO	2003/01/12
_	o	computer adj mouse adj shape adj cube	USPAT;	2003/01/13
		compacer adj modse adj shape adj case	EPO; JPO	07:26
_	574	345/156,173.ccls. and housing	USPAT;	2003/01/13
			EPO; JPO	07:27
-	134	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
	22	adj signals 345/156,173.ccls. and housing and control	EPO; JPO USPAT;	07:27 2003/01/13
-	22	adi signals and orthogonal	EPO; JPO	07:28
_	3	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate	EPO; JPO	07:28
_	4	, ,	USPAT;	2003/01/13
İ	[adj signals and orthogonal and actuate\$3	EPO; JPO	07:29
_	3	and elements 345/156,173.ccls. and housing and control	USPAT;	2003/01/13
	1	adj signals and orthogonal and actuate\$3	EPO; JPO	07:29
		and elements and mounted	,	
-	2	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
	1	adj signals and orthogonal and actuate\$3	EPO; JPO	07:30
		and elements and mounted and project\$2 345/156,173.ccls. and housing and control	USPAT;	2003/01/13
-	0	adj signals and orthogonal and actuate\$3	EPO; JPO	07:30
		and elements and mounted and project\$2		
		and outward		
-	0		USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	07:31
		and elements and mounted and project\$2 and outward\$3		
_	1		USPAT;	2003/01/13
	1	adj signals and orthogonal and actuate\$3	EPO; JPO	07:31
		and elements and mounted and project\$2	1	
		and 3D		
-	3	, , ,	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3 and 3D	EPO; JPO	07:50
_	12	_	USPAT;	2003/01/13
1		adj signals and orthogonal and actuate\$3	EPO; JPO	07:52
	<u></u>	and 3D	<u> </u>	
				

Search History 1/13/03 6:05:49 PM Page 1

-	0	compar adj input adj device and housis	USPAT;	2003/01/13
		and control adj signals and orthogonal	EPO; JPO	07:53
		and actuate\$3 and 3D	•	
_	13	computer adj input adj device and housing	USPAT;	2003/01/13
		and control adj signals and 3D	EPO; JPO	07:53
_	11	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	09:15
_	0	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	09:16
		and x,y,z		
_	3	345/156,173.ccls. and housing and control	USPAT;	2003/01/13
		adj signals and orthogonal and actuate\$3	EPO; JPO	09:18
		and x adj y adj z		
-	1	345/156,173.ccls. and housing and	USPAT;	2003/01/13
		switches and mounted and orthogonal and	EPO; JPO	09:18
		walls and actuate\$3 and x adj y adj z	†	

	U	1	Do	cumen t	Issue Date	Pages	tle	Current OR
1			US B1	6480187	20021112	84	Optical scanning-type touch panel	345/175
2			US B1	6448977	20020910	21	Textures and other spatial sensations for a relative haptic interface device	345/701
3	0		US B1	6402616	20020611	21	Entertainment system, supply medium, and manual control input device	463/37
4	0		US B1	6256011	20010703	20	Multi-function control device with force feedback	345/157
5			US B1	6184868	20010206	30	Haptic feedback control devices	345/161
6	0		US A	6154201	20001128	29	Control knob with multiple degrees of freedom and force feedback	345/184
7			US A	5977950	19991102	11	Manually controllable cursor in a virtual image	345/856
8			US A	5825351	19981020	10	Method and apparatus for noise filtering for an input device	345/173
9			US A	5760764	19980602	22	Computer display cursor controller with serial interface	345/160
10			US A	5528266	19960618	14	Flat touch screen workpad for a data processing system	345/173
11			US A	4794838	19890103	75	Constantly changing polyphonic pitch controller	84/600

	Current XRef	Retrieval Classif	Inventor	s	С	P	2	3	4	5
1	345/173; 345/176	345/173	Sano, Satoshi et al.	Ø						
2	345/156; 345/157; 345/700; 345/702	345/156	Braun, Adam C. et al.	Ø						
3	345/156; 345/170	345/156	Ogata, Hiroki et al.	×						
4	345/156; 345/167	345/156	Culver, Craig F.	Ø						
5	345/156	345/156	Shahoian, Erik J. et al.	Ø						
6	345/156; 345/970; 74/485	345/156	Levin, Michael D. et al.	×						
7	345/157; 345/173; 345/7; 345/835	345/173	Rhyne, George W.	×						
8	345/157	345/173	Tam, Tommy H.	×						
9	345/156; 345/157; 345/163	345/156	Martinelli, John K.	×						
10	345/156	345/156; 345/173	Arbeitman, Gordon W. et al.	×						
11	338/69; 345/156; 362/86; 84/478; 84/DIG.30; 984/340; 984/346; 984/DIG.1	345/156	Corrigau, III, James F.	⊠						

		Image Doc. Displayed				
1	US	6480187				
2	US	6448977				
3	US	6402616				
4	US	6256011				
5	US	6184868				
6	US	6154201				
7	US	5977950				
8	US	5825351				
9	US	5760764				
10	US	5528266				
11	US	4794838				